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Appl No.:10/643,063

AUG 14 2007 Atty. Dkt.: UCF-372**Amendments to the Drawings:**

The attached sheets of drawings include four replacement sheets showing Figs. 3-9 and four new sheets showing Figs. 10 to 13. These new sheets show front views of the TFT-LCD structure shown in Figs. 2, 5, 7 and 9, respectively.

Attachment includes:

Four (4) replacement sheets each labeled "Replacement sheet"

Four (4) new sheets each labeled "New Sheet"

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AUG 14 2007
Atty. Dkt.: UCF-372**REMARKS/ARGUMENTS**

Favorable consideration of this application is respectfully requested. Applicant has amended claims 1, 7, 8, 13 and 19, canceled claims 3-4, 6, 9 and 17. Favorable reconsideration of this application is, consequently, earnestly solicited in view of the following remarks

Drawing Objections:

The drawings were objected to alleging that the drawings fail to show every feature of the invention specified in the claims. Applicant has amended Figs. 3, 4, 5, 7 and 9 to show the voltage applied to each of the continuous and discontinuous common electrode V_{H} or V_{L} and the continuous or discontinuous pixel electrode V_{P} . Each different voltage includes a subscript indicating whether the high (V_{H}) or low (V_{L}) voltage is being applied to the common electrodes. Because the voltage applied to the pixel electrode depends on the input data, the voltage applied is identified as V_{P} . The four (4) replacement sheets each labeled "Replacement Sheet" are attached following the last page of the remarks and arguments.

Applicant has also added new Figs. 10 to 13 showing the continuous common electrode layer, the continuous pixel electrode and the discontinuous common electrode. These new sheets show front views of the TFT-LCD structure shown in Figs. 2, 5, 7 and 9, respectively. The four (4) new sheets each labeled "New Sheet" are attached following the four replacement figures.

The specification has been amended to add Figs. 10-13 to the section titled "Brief Description of the Figures" on page 7, line 2. The paragraph on page 8 starting at line 3 and ending at line 14 has been amended to directly refer to Fig. 10 as a front view of the TFT-LCD structure shown in Figs. 2, 3 and 4; the paragraph starting on page 9 at line 12 and ending on page 10 at line 2 has been amended to directly refer to Fig. 11 as a front view of the TFT-LCD structure shown in Fig. 5; the paragraph starting on page 10 at line 14 and ending on page 11 at line 2 has been amended to directly refer to Fig. 12 as a front view of the TFT-LCD structure shown in Fig. 7; and the paragraph starting on page 11 at line 16 and ending on page 12 at line 2 has been amended to directly refer to Fig. 13 as a

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front view of the TFT-LCD structure shown in Fig. 9.

Claim Rejections:

Claims 1-3, 5, 7, 8, 11-15 and 18-20 were rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuyama et al. Applicant respectfully disagrees for the following reasons.

Matsuyama (Fig. 9 and 10) show a LCD having a continuous common electrode (500), a discontinuous common electrode (410) and a discontinuous pixel electrode (300) with the discontinuous common electrode located below the discontinuous pixel electrode (300). Unlike Matsuyama, in claims 1, 2, 5, 7, 8, 10-16 and 18 the pixel electrode (25) is a continuous electrode. Claims 1 and 13 have been amended to clarify that the second discontinuous common electrode layer is located above the continuous pixel electrode shown in Figs. 2-5 and 9.

Claim 1 has been further amended to clarify that a first voltage to the continuous first common electrode layer and a second voltage not equal to the first voltage is applied to the discontinuous second common electrode layer to generate the electric field between the first common electrode layer on the first substrate and both the continuous pixel electrode layer and the discontinuous second common electrode layer in the second substrate as described on page 8, lines 4-6, page 9 and lines 14-16. Unlike amended claims 1 and 13, Matsuyama teaches applying the same voltage applied to the first and second common electrodes in Matsuyama.

For these reasons, Applicant believes that claims 1, 5, 7, 8, 10-16 and 18 are allowable under section 103 over Matsuyama. Thus, removal of the rejection is respectfully requested.


Claims 19 and 20 were previously added to claim the subject matter shown in Fig. 7 and new Fig. 12 of the subject application wherein the pixel electrode layer and the second common electrode layer are both discontinuous electrodes having plural spaced apart pixel electrodes and plural spaced apart second common electrodes, respectively. Examiner failed to specifically point out a basis for the rejection of claims 19-20 and since Matsuyama does not disclose a LCD having alternating discontinuous pixel and second common electrodes located in the same plane, Applicant believes that claims 19-20 are allowable.

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In view of the foregoing considerations, it is respectfully urged that claims 1, 2, 5, 7, 8, and 10-16 and 18-20 be allowed or alternatively, remove the finality of the action and making a non-final rejection. No new issues or considerations are being raised. Such action is respectfully requested. If the Examiner believes that an interview would be helpful, the Examiner is requested to contact the attorney at the below listed number.

Respectfully Submitted;



Brian S. Steinberger
Registration No. 36,423
101 Brevard Avenue
Cocoa, Florida 32922
Telephone: (321) 633-5080

Date

8/14/07